

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name GARDEN CITY "B" #1 (AFE) Test No. 1 Date 9/15/92
Company OXY USA, INC. Zone MARMATON
Address P.O. BOX 26100 OKLAHOMA CITY OK 73126-0100 Elevation 2940
Co. Rep./Geo. MARK ROHR Cont. BEREDCO RIG #1 Est. Ft. of Pay _____
Location: Sec. 22 Twp. 23S Rge. 34W Co. FINNEY State KS

Interval Tested 4384-4399 Drill Pipe Size 4.5" XH
Anchor Length 15 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4379 Drill Collar - 2.25 Ft. Run 607
Bottom Packer Depth 4384 Mud Wt. 9 lb/Gal.
Total Depth 4399 Viscosity 45 Filtrate 10

Tool Open @ 1:25 Initial Blow SURFACE TO 2" IN 15 MINUTES

Final Blow NO BLOW FOR 20 MINUTES WEAK SURFACE TO 1/2"

Recovery - Total Feet 170 Flush Tool? NO

Rec. 170 Feet of MUD CUT WATER-60%WTR/40%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 110 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.14 @ 80 °F Chlorides 40000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 2064.3 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 45.7 PSI @ (depth) 4389 w / Clock No. 8698

(C) First Final Flow Pressure 60.1 PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure 1120.3 PSI @ (depth) 4394 w / Clock No. 7452

(E) Second Initial Flow Pressure 70.8 PSI AK1 Recorder No. _____ Range _____

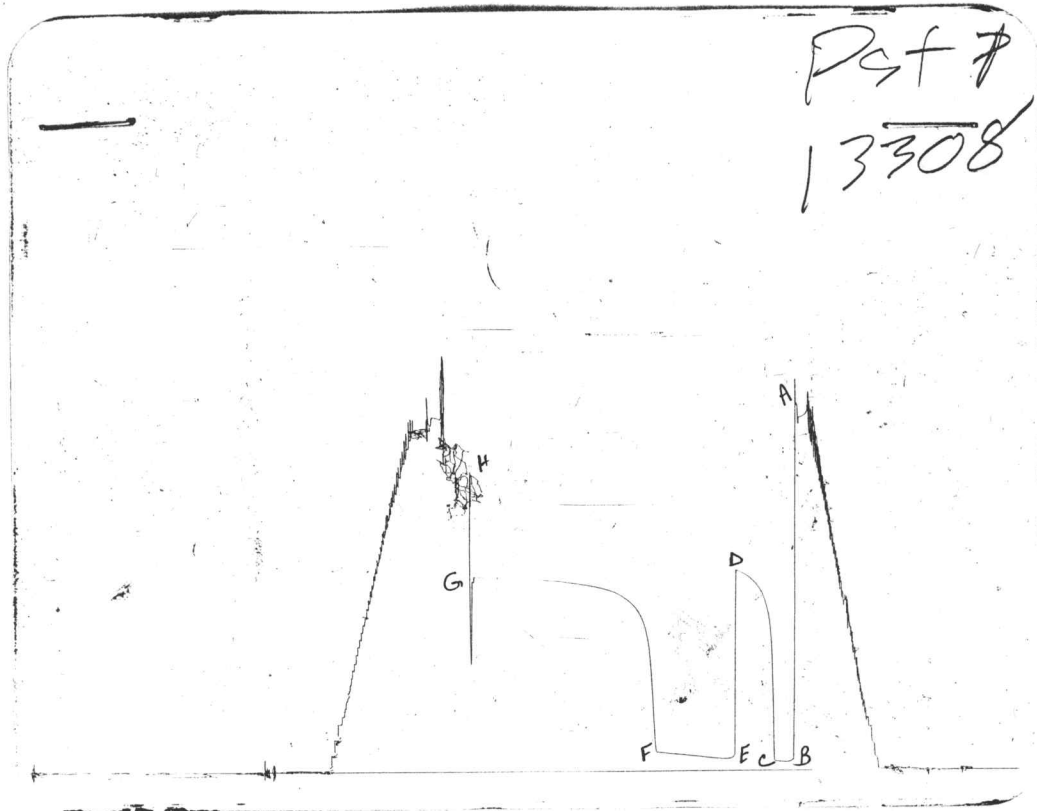
(F) Second Final Flow Pressure 81.2 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1088.9 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 2020.3 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2061	2064.3
(B) FIRST INITIAL FLOW PRESSURE	44	45.7
(C) FIRST FINAL FLOW PRESSURE	56	60.1
(D) INITIAL CLOSED-IN PRESSURE	1118	1120.3
(E) SECOND INITIAL FLOW PRESSURE	67	70.8
(F) SECOND FINAL FLOW PRESSURE	78	81.2
(G) FINAL CLOSED-IN PRESSURE	1085	1088.9
(H) FINAL HYDROSTATIC MUD	2015	2020.3

TRILOBITE TESTING COMPANY

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FLUID SAMPLER DATA

Ticket No. 5174 Date 9-15
Company Name OXY USA INC
Lease GARDEN City 'B' 1st Test No. 1
County FINNEY KS Sec. 22 Twp. 23S Rng. 34W

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 1500 ML
Water 2500 ML
Other _____ ML
Pressure 48 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 2000 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 45
Mud Weight 9.0 LCM 3rd
Filtrate 10.0 PH 9.0
Other P.V. 12 Y. P. 11
Gel STRENGTH 6/17

SAMPLER ANALYSIS

Resistivity 0.14 ohms @ 80 F
Chlorides 40 000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 0.14 ohms @ 80 F
Chlorides 40 000 ppm.

MIDDLE

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

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Drill-Stem Test Data

Well Name GARDEN CITY "B" #1 (AFE) Test No. 2 Date 9/19/92
Company OXY USA, INC. Zone MORROW
Address P.O. BOX 26100 OKLAHOMA CITY OK 73126-0100 Elevation 2951
Co. Rep./Geo. MARK ROHR Cont. BEREDCO RIG #1 Est. Ft. of Pay 10
Location: Sec. 22 Twp. 23S Rge. 34W Co. FINNEY State KS

Interval Tested 4634-4684 Drill Pipe Size 4.5" XH
Anchor Length 50 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4629-4634 Drill Collar - 2.25 Ft. Run 379
Bottom Packer Depth 4684 Mud Wt. 9.3 lb/Gal.
Total Depth 4904 Viscosity 52 Filtrate 9.2

Tool Open @ 6:18 AM Initial Blow GOOD-OFF BOTTOM IN 2 MINUTES

Final Blow OFF BOTTOM IN 1 MINUTE/GAS TO SURFACE ON OPENING
TOOL-SECOND FLOW

Recovery - Total Feet 2710 Flush Tool? NO

Rec. 1924 Feet of GAS IN PIPE
Rec. 2710 Feet of CLEAN OIL-10%GAS/90%OIL
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 114 °F Gravity 35 °API @ 80 °F Corrected Gravity 33 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3600 ppm System

(A) Initial Hydrostatic Mud 2192.3 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 183.7 PSI @ (depth) 4669 w / Clock No. 7452

(C) First Final Flow Pressure 410.6 PSI AK1 Recorder No. 13308 Range 4700

(D) Initial Shut-in Pressure 1125.9 PSI @ (depth) 4639 w / Clock No. 8698

(E) Second Initial Flow Pressure 515.4 PSI AK1 Recorder No. 2023 Range 4000

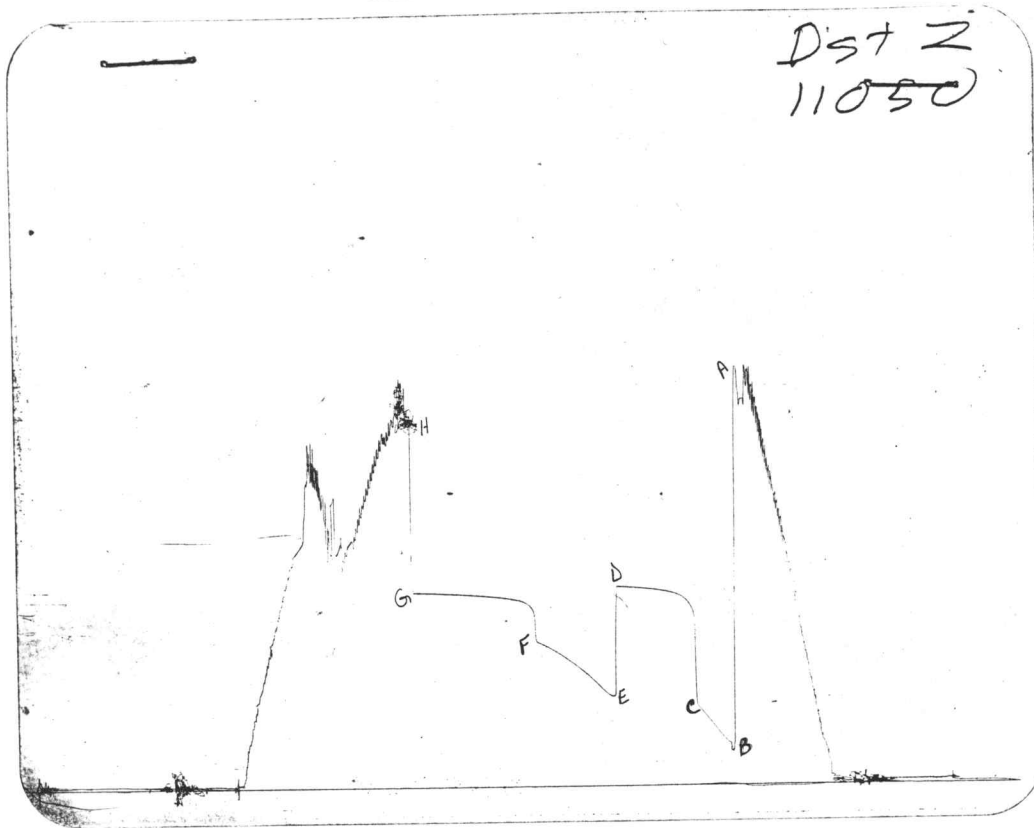
(F) Second Final Flow Pressure 807.1 PSI @ (depth) 4899 w / Clock No. 19960

(G) Final Shut-in Pressure 1102.3 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2144.7 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative MARK HERSKOWITZ

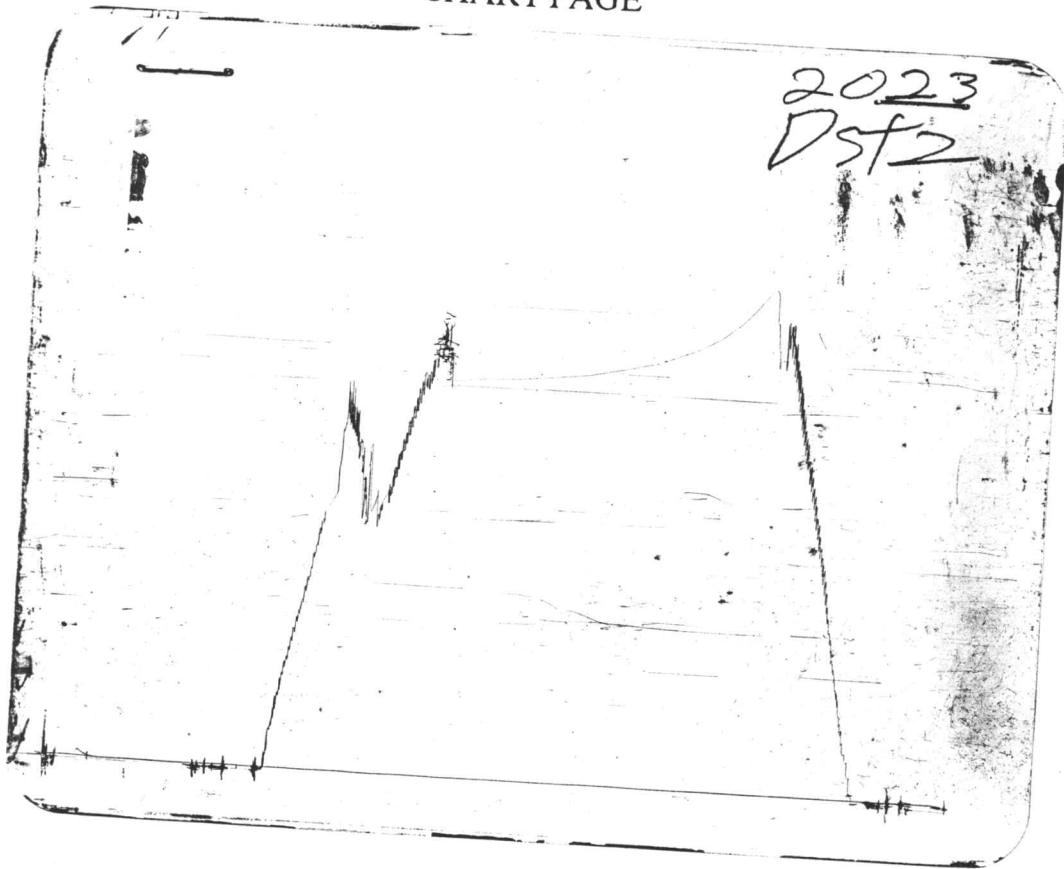
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2061	2192.3
(B) FIRST INITIAL FLOW PRESSURE	44	183.7
(C) FIRST FINAL FLOW PRESSURE	56	410.6
(D) INITIAL CLOSED-IN PRESSURE	1118	1125.9
(E) SECOND INITIAL FLOW PRESSURE	67	515.4
(F) SECOND FINAL FLOW PRESSURE	78	807.1
(G) FINAL CLOSED-IN PRESSURE	1085	1102.3
(H) FINAL HYDROSTATIC MUD	2015	2144.7

CHART PAGE



This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

GAS VOLUME REPORT

OXY USA, INC.

GARDEN CITY "B" #1 (AFE)

DST # 2

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
5	48	0.25	11.6	5	14	0.25	6.33
10	50	0.25	11.9	10	28	0.25	8.89
15	38	0.25	10.4	15	32	0.25	9.5
20	32	0.25	9.5	20	28	0.25	8.89
25	28	0.25	8.89	25	30	0.25	9.2
30	28	0.25	8.89	30	28	0.25	8.89
				35	24	0.25	8.22
				40	20	0.25	7.51
				45	16	0.25	6.72
				50	12	0.25	5.86
				55	8	0.25	4.76
				60	4	0.25	3.37

NO GAS TO SURFACE ON INITIAL-GAS TO SURFACE ON OPENING OF

Remarks: TOOL

TRILOBITE TESTING COMPANY

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FLUID SAMPLER DATA

Ticket No. 5175 Date 9-19-92
Company Name OKV USA INC
Lease GARDEN CITY 'R'-1 Test No. 2
County FINNEY KS Sec. 22 Twp. 23 Rng. 34W

SAMPLER RECOVERY

Gas 0.80 CF
Oil 3800 ML
Mud — ML
Water — ML
Other — ML
Pressure 850 PSI
Total 400 ML

PIT MUD ANALYSIS

Chlorides 3600 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 52
Mud Weight 9.3 LCM 1
Filtrate 9.2 P.V. 15 Y.P. 13
Other GEL STRENGTH 6/15
PH 8.5

SAMPLER ANALYSIS

GRAVITY 35 ohms @ 80 F
CORRECTED GRAVITY 33 ppm.
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 35 ohms @ 80 F
GRAVITY 33 ppm.
Chlorides 33 ppm.
CORRECTED GRAVITY

MIDDLE

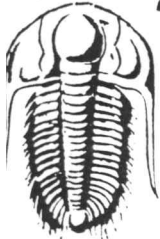
Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.



TRILOBITE TESTING

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Oxy USA Inc
OPERATOR

GARDEN CITY R-1 2
WELL NAME AND NO. DST NO.

Min.	Ins. of Water PSIG	Orifice Size	MCF/D	Min.	Ins. of Water PSIG	Orifice Size	MCF/D
5	48	1/4	11.6	5	14	1/4	6.33
10	50		11.9	10	28		8.89
15	38		10.4	15	32		9.50
20	32		9.50	20	28		8.89
25	28		8.89	25	30		9.20
30	28		8.89	30	28		8.89
				35	24		8.22
				40	20		7.51
				45	16		6.72
				50	12		5.86
				55	8		4.76
				60	4		3.37
No GAS TO SUR				GAS TO SUR			
				ON OPENING			
				OF TOOL			

Remarks: